

Claims

What is claimed is:

- 5 1. A method for detecting a fraudulent event in a retail location, comprising:
establishing a rule defining said fraudulent event, said rule including at least one condition;
processing at least one image of said retail location
10 to identify said condition; and
performing a defined action if said rule is satisfied.
2. The method of claim 1, further comprising the step of recording said at least one image if said rule is satisfied.
- 15 3. The method of claim 1, wherein said fraudulent event is a person stealing an item.
- 20 4. The method of claim 1, wherein said fraudulent event is a person attempting to return an item without a receipt.
- 25 5. The method of claim 4, wherein said person attempting to return an item without a receipt has not previously been detected in said retail location.
6. The method of claim 4, wherein said person attempting to return an item without a receipt has been detected in an area of said retail location where said item is stocked.
- 30 7. The method of claim 4, wherein said person attempting to return an item without a receipt was not carrying said item when said person entered said retail location.

8. The method of claim 1, wherein said processing step further comprises the step of performing a face recognition analysis on said image.

5 9. The method of claim 1, wherein said processing step further comprises the step of performing a feature extraction analysis on said image.

10. 10. A method for detecting a fraudulent event at a retail location, comprising:

obtaining at least one image of said retail location;
analyzing said image using video content analysis techniques to identify at least one predefined feature in said image associated with said fraudulent event; and
performing a defined action if said rule is satisfied.

11. The method of claim 10, wherein said fraudulent event is a person stealing an item.

20 12. The method of claim 10, wherein said fraudulent event is a person attempting to return an item without a receipt.

13. A system for detecting a fraudulent event in a retail location, comprising:

25 a memory that stores computer-readable code; and
a processor operatively coupled to said memory, said processor configured to implement said computer-readable code, said computer-readable code configured to:
establish a rule defining said fraudulent event, said
30 rule including at least one condition;
process at least one image of said retail location to identify said condition; and
perform a defined action if said rule is satisfied.

14. The system of claim 13, wherein said fraudulent event
is a person stealing an item.

5 15. The system of claim 13, wherein said fraudulent event
is a person attempting to return an item without a receipt.

16. A system for detecting a fraudulent event in a retail
location, comprising:

10 a memory that stores computer-readable code; and
a processor operatively coupled to said memory, said
processor configured to implement said computer-readable code,
said computer-readable code configured to:

obtain at least one image of said retail location;

15 analyze said image using video content analysis
techniques to identify at least one predefined feature in said
image associated with said fraudulent event; and

20 perform a defined action if said rule is satisfied.

25 17. The system of claim 16, wherein said fraudulent event
is a person stealing an item.

18. The system of claim 16, wherein said fraudulent event
is a person attempting to return an item without a receipt.

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19. An article of manufacture for detecting a fraudulent
event in a retail location, comprising:

20 a computer readable medium having computer readable
code means embodied thereon, said computer readable program code
means comprising:

25 a step to establish a rule defining said fraudulent
event, said rule including at least one condition;

a step to process at least one image of said retail location to identify said condition; and

a step to perform a defined action if said rule is satisfied.

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20. An article of manufacture for detecting a fraudulent event in a retail location, comprising:

a computer readable medium having computer readable code means embodied thereon, said computer readable program code means comprising:

a step to obtain at least one image of said retail location;

a step to analyze said image using video content analysis techniques to identify at least one predefined feature in said image associated with said fraudulent event; and

a step to perform a defined action if said rule is satisfied.

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